

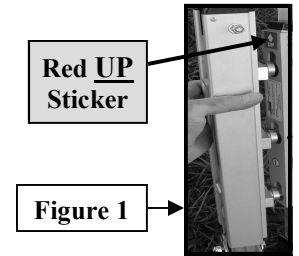
Installation of Levelok Model LL-QC-1, KeyLok, Quick Connect Base Units

See **INSTALLATION VIDEOS**, specific to “your” ladder at www.levelok.com

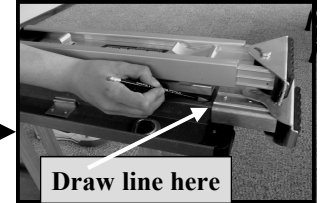
Read these instructions carefully. It is important that these instructions are understood before using Quick Connect Base Units. Improper installation and use can cause serious injury. Always inspect Quick Connect System before each use. Keep debris and other types of foreign matter such as paint, grease, soil, sand, etc., away from base units. Do not use base units if damaged, worn or exposed to chemicals or fire.

(This product approved for use on aluminum, fiberglass and wood ladders, up to a 375 pound, Type 1AA, duty rating.)

1.) Snap units together (Figure 1) - Attach **Leveler** to one Quick Connect **Base Unit** by inserting the 3 knobs on the back of leveler into the 3 keyholes of the Base Unit and then sliding leveler upward until it snaps into position. Black Leveler cap should be pointing upwards, corresponding with red, **UP** sticker on Base Unit. (See **Figure 1**)



2.) Position Leveler / Base Unit Assembly (Figure 2) - Temporarily position assembly at bottom of ladder, along **centerline** of ladder rail. The leveler shoe pad (rubber tread) should be positioned slightly above the pad of ladder's existing shoe. The 2 upper mounting holes on base unit should be above the first rung. This is a general rule of thumb for **all** ladders. (See **Figure 3, 4 & 7**) Some aluminum extension ladders require smaller (7/8" dia) washer at lowest bolt to position leveler shoe above ladder shoe.



3.) Check positioning on inside and outside of ladder rail for sufficient clearance of mounting bolts around corner braces, rungs, rivets, plates, etc. When you have positioned assembly in the optimum location, draw a small line at the bottom of the Base Unit, on the ladder rail. (See **Figure 2**) Remove Base Unit from Leveler and **double check** all bolt hole locations to assure adequate clearance for nuts & washers on **inside of rail** and spacer plates on **outside of rail**. (See **Fig. 4, 5, 7**)

Fig 2

4.) With Leveler Removed, position **Base Unit only**, back on ladder rail, with the red, **UP** sticker pointing toward the top of ladder. (See **Figure 3**) Be sure to place Base Unit back in previous location, where you made the mark on the rail.

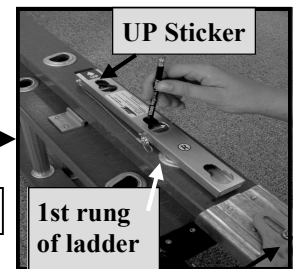
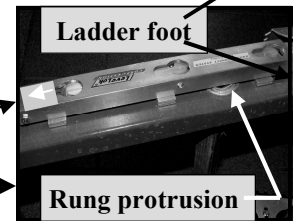


Figure 3

(**Figure 2**) Hold Base Unit into position and adjust slightly up or down as needed. With a black felt tip pen, mark the 2 uppermost holes and only 1 of the 2 lower holes. Only 1 of the 2 lower holes is necessary for proper installation. Choose the hole that best suits your ladder. (See **Figure 3, 4, 7**) Put Base Unit aside and carefully drill 3 holes with 1/8" dia. pilot bit then 11/32" dia. drill bit.



UP Sticker

Figure 4

Repeat these steps on opposite rail. See **Install Videos** at www.levelok.com.

READ BELOW BEFORE FINAL INSTALLATION!

NOTE # 1: Spacer plates and metal adhesive (enclosed) are to be used with ladders that come with some type of protrusion on the outside of ladder rail, such as open rungs, rivets or metal plates. (See **Figure 4 & 5**) If needed, glue the required number of plates to back of base unit. When using glue, apply small drop on each side of spacer. (See **Figure 6**) **Never** glue spacers to ladder rail.

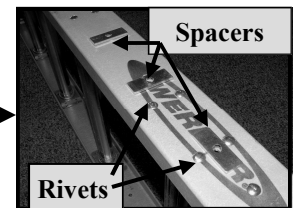
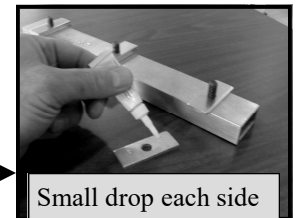


Figure 5

Figure 5 simply shows proper positioning of spacer plates with rivet construction. See complete lineup of **Installation Videos** at www.levelok.com.

5.) Slide mounting bolts through mounting holes of base unit. Now, slide entire unit, with bolts and spacer plates (if needed), into the 3 previously drilled holes. Make a final check to be certain there is adequate clearance for bolts, nuts and washers. See **Install Video** at www.levelok.com.

Figure 6



NOTE # 2 : Some articulating ladders (i.e. Little Giant Ladder) may have a slight bend in the rail near the first ladder rung.

Use small **thin washers** (enclosed) as shims to fill these gaps between the ladder rail and base unit. (See **Figure 8**) This will

Small, thin washers (enclosed)

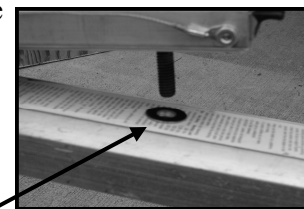


Figure 8

prevent bending of the base unit when nuts are tightened. An evenly seated, flush fit is essential.

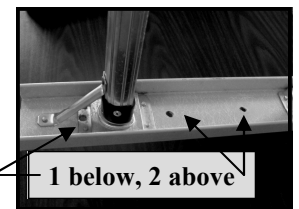


Figure 7

NOTE # 3: Ladder Rails with Rounded profiles, such as the Werner MT series (Figure 10) require strips of foam tape (enclosed), along the outermost edges of each base unit. (See Figure 11) This tape will keep unit from rocking side to side. After tape is securely fit to edges, remove backing and position over mounting holes. Push unit carefully onto rail and mount with locknuts.

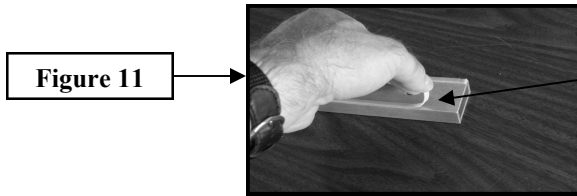


Figure 11

Lay tape down on edges. Peel backing only when ready to secure onto ladder. (For rounded rails only)



Figure 10

UP Sticker and release lever at top.

6.) Complete Mounting on Ladder Rail by sliding 3 mounting bolts, with all necessary spacer plates and / or thin washers, through the pre-drilled holes. **VERY IMPORTANT** - Install Base Units with “L” unit on **left** side of ladder and “R” unit on **right** side. Be sure base Unit is installed with red “UP” sticker on top. (Figure 1, 3, 10 & 12) Slide large fender washers over bolt ends and tighten the self locking nuts over them with a snug fit. Recommended torque is 9 foot pounds. Use 5mm” hex key (included) to hold bolt head in position while tightening nut with 1/2” wrench or socket. (See Figure 12) See [Video www.levelok.com](http://www.levelok.com)

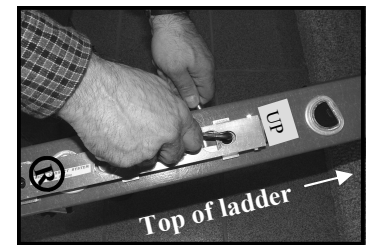


Figure 12

NOTE # 4: When Installing base units on a Type 1AA, 375 pound duty rated fiberglass ladder, the large, 2” square, steel washers must be placed under the fender washers (2 upper bolts only) before installing lock nuts. No washer needed at lowest bolt when mounting hole is drilled through rung plate. (See Figure 7) See [Install Videos at www.levelok.com](http://www.levelok.com)

Hardware Included: 8 black bolts, 6 pcs 1-1/4” dia. washers, 2 pcs 7/8” dia washers, 4 square washers, 6 pcs 5/8” dia, thin washers, 12 alum spacer plates, 6 locknuts, 1 hex wrench, 1 tube adhesive, 4 peel & stick foam strips.

NOTE: For Installation onto Fiberglass Step Ladders go to www.levelok.com

How to Operate

- 1. Pull Ring Pin** Attached to lanyard on side of Base Unit.
- 2. Position Leveler (Figure 10 above)** a few inches away from the front of the Quick Connect base unit holes. Align the 3 knobs on the back of the leveler with the 3 keyholes of the Base Unit.
- 3. Insert Knobs (See Figure 10 above)** located on the back of the leveler, into the Quick Connect holes and slide leveler UP, toward the top of ladder, until it snaps into position.
- 4. Push Ring Pin** back into the hole it came out of in step 1. This pin functions as a backup for your safety and the security of the leveler.
- 5. Leveler is Ready** to use. See QC Leveler operation instructions for details.
- 6. To Remove Leveler (Figure 13 at right)** from base unit, pull ring pin out of hole. Using index finger of one hand and holding leveler with the other hand, push on release lever, located at top of base unit. Leveler will drop down and can be pulled away from the base unit.

CAUTION: The Base Unit **MUST** be positioned so the release lever is at the top, pointing toward top of ladder. Installing the Base Unit upside down can cause the base unit latch to release while a person is on the ladder, causing serious injury.

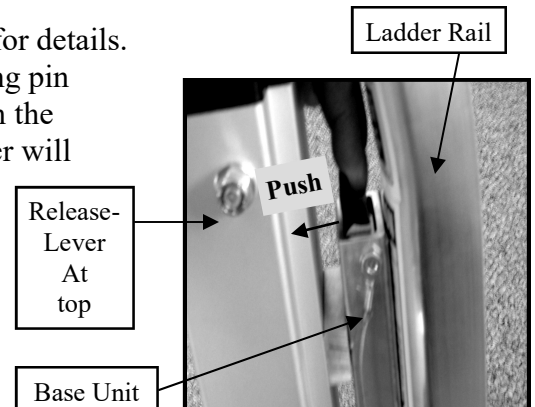
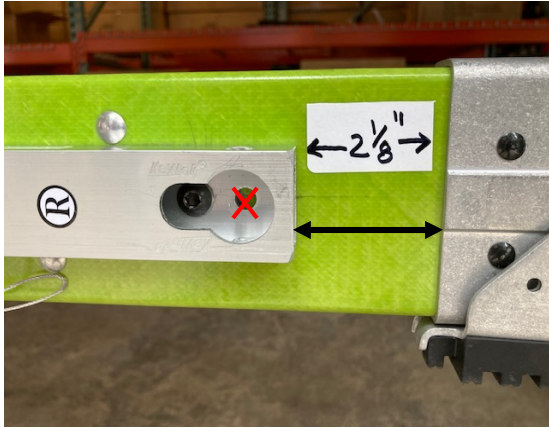


Figure 13

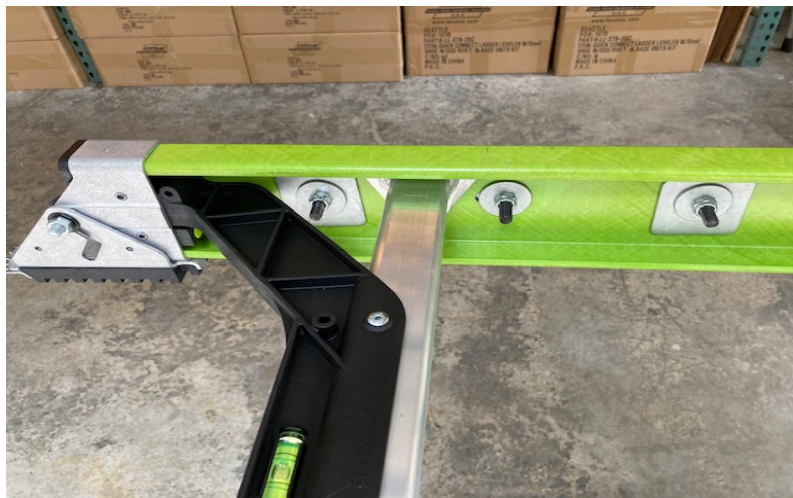
Installation Addendum for Levelok Model LL-QC-1, Quick Connect Base Unit on a Little Giant Hyperlite Fiberglass Extension Ladder Type 1A—300 Pound Duty Rated



Bottom of base unit should be positioned 2-1/8" above top edge of Ladder Shoe Rail Shield. Lowest, 4th Mounting hole is not used in this installation.



Base Unit should be installed on centerline of ladder rail. This is typical for most installations of the Key-Lok Quick Connect Base Unit, model LL-QC-1.



Use large, 2", steel, square washers under the standard, round fender washers, at upper and lower mounting bolts, as shown in photo above.